

LEONARD R. KAHN
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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

September 3, 1993

Mr. William F. Canton
Acting Secretary
Federal Communications Commission
1919 M Street, N.W., Room 222
Washington, D.C. 20554

EX PARTE OR LATE FILED

Re: AM Stereo (Docket No. 92-298)

Dear Mr. Secretary:

Enclosed is a copy of a tape which was made by Mr. Herb Square, Chief Engineer of WQEW (formerly WQXR) 1560 kHz New York.

As pointed out in Mr. Squires letter (Attachment A) the recording was made in Gravenhurst, Ontario some 400 air miles from the WQEW transmitter in New York City. The receiver used was a 1984 Sony SRF-A1 "Walkman" type receiver. This receiver only incorporates manual mode switching.

This recording provides experimental verification of the fact that even under severe fading and with relatively low signal strength, acceptable stereophonic reception can be achieved without any need for switching to a mono mode of reception. Thus, there is further proof of the validity of the WIN-WIN solution.

Also, this unedited recording provides further proof of the superiority of the ISB stereo system in comparison with the Motorola technique which must use mode switching and which would exhibit, under such conditions, unacceptable reception including severe Platform Motion.

Respectfully submitted,


Leonard R. Kahn

LRK/jd
Encls.

Of Counsel:
William Malone
(202) 785-0600
Miller & Holbrooke
1225 Nineteenth Street, N.W., #400
Washington, D.C. 20036-2520

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EX PARTE OR LATE FILED

September 1, 1993

Mr. Leonard Kahn
Kahn Communications, Inc.
222 Westbury Avenue
Carle Place, NY 11514

Dear Leonard,

As we discussed earlier this week, I am enclosing an off-the-air recording of WQEW that I made on August 15 while on vacation.

The receiver was a Sony SRF-A1 FM/AM Stereo "Walkman," vintage 1984. The audio was coupled out of the regular headphone jack into a Sony NT-1 Digital Stereo "Scoopman" Recorder. This digital tape was dubbed directly to the enclosed tape. (Metal tape with Dolby B)

The location was Room 210 of the Muskoka Sands Resort in Gravenhurst, Ontario. The radio and recorder were placed on a tabletop inside the room. There were no external equipment or antennae connected to either unit. This location is about 400 air miles from the WQEW transmitter in New York City.

In order to get an idea of relative signal strength, I used a Potomac Instruments FIM-21 to measure the signal variations about 3 feet away from the radio on the same table.

The signal varied from a maximum of 7 to 8 millivolts per meter, down to a minimum of 200 microvolts per meter. There were a few very short drops where the signal fell below 50 microvolts per meter. It was at these points that all audio, as well as stereo, dropped out. Most of the crosstalk was from CFOR 1570 kHz in Orillia, Ontario, about 25 miles to the south with a night power of 5000 watts. It should be noted that there was a constant changing of signal strength as the skywave signal varied.

I was amazed to see how well the audio quality held up with a consistent stereo image over such a great range of signal intensities!

Please settle back and listen to the tape in its entirety to get the proper mood. I believe the average radio listener could listen to this quality AM signal for many hours at a time.

Let me know what you think.

Sincerely,

Herb Squire

Encl.

cc: Warren Bodow
Stan Martin

122 Fifth Avenue, New York, NY 10011 • (212) 633-7600 • Fax (212) 633-7666

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1560
WQEW am
STEREO



Certificate of Service

I heraby certify that I have caused to be mailed this day a
copy of the foregoing letter and tape to:

Michael Menius, Esq.
Motorola, Inc.
1350 Eye Street, N.W., # 400
Washington, D.C. 20005.



Carle Place, New York
September 7, 1993

DOCUMENT OFF-LINE

This page has been substituted for one of the following:

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- o Microfilm, microform, certain photographs or videotape.

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Tape Recording